

REMARKS

Claims 1-6 are pending. By this Response, claims 1 and 3 are amended and claims 5 and 6 added. Reconsideration and allowance based on the above amendments and following remarks are respectfully requested.

Embodiments of the Present Invention

In embodiments of the present invention, data which is received at a display device is corrected based on the particular display device so as to optimize the display data. To accomplish this, a reference color image is displayed on the display screen of each image display device. A display characteristic is measured for each image display device based on the displayed color reference image. A color correction parameter is calculated for each display device based upon the measured display characteristic. When a color image data is received at the display device, the color image data has been corrected using the correction parameter calculated for that specific display device. The corrected color image data is then processed by the corresponding image display device and displayed on the device itself.

In the embodiments of the present invention, characteristics of each of the individual display devices are obtained based upon a reference image. This data is then used to determine correction data individualized to each display device. When color image data is provided to the image display device, the

color image data itself has undergone a color correction based on the calculated correction data thus modifying the color image data in order to optimize the data when displayed on the image display device.

Prior Art Rejections

The Office Action rejects claims 1 and 3 under 35 U.S.C. §102(b) as being anticipated by Ohara, et al. (US 5,929,617) and claims 2 and 4 under 35 U.S.C. §103(a) as being unpatentable over Ohara in view of Cottone, et al. (US 6,677,958). These rejections are respectfully traversed.

Ohara teaches a system for adjusting the display characteristics for various types of display device. In the method of Ohara, a black point test is performed and then a gamma value is obtained and stored. Referring to Fig. 5, the black point determining test is accomplished using a BP-determining test image 10 which is displayed on a display screen. A user then moves a slider 13a to determine the display characteristic preferred by the user. When the user clicks okay, the computer determines the present value X_{cmpr} based on the users selections as a black point BP. The X_{cmpr} value determines the brightness for each of red, green and blue values.

After the black point determination process is completed a gamma value determination program is executed. Once the gamma value is determined a correction function is determined using the black point and gamma values.

The correction function is established between the input value X_a and a corrected input value X_s which provides the condition $Y_d = X_s$. See column 7, lines 66 through column 9, line 15. When the correction function is determined, a printing correction operation is executed based on the correction function.

In Ohara, a method is imposed which determines the display characteristics for a particular display. Data received for display is not modified based on a correction value. Once the characteristics of each individual display are obtained by Ohara's method, any data received by the display is displayed as normal under those display characteristics. A correction of the data is never performed to optimize that data for a particular display.

Further, the correction function in Ohara is used in determining a printing correction operation. See column 11, lines 61, column 13, line 29.

In Ohara, correction of the data prior to display by individual display devices is not performed. A display characteristics function performed by the display is obtained and uncorrected data is then obtained and displayed based on the stored display characteristics function.

Thus, Ohara fails to teach, *inter alia*, calculating, for a plurality of image display devices, a color correction parameter, which corrects the color image displayed on the display screen of each image display device, based upon the

measured display characteristics, color correcting color image data, for each image display device, which represents a color image to be displayed on the display screen of a corresponding image display device, using a corresponding color correction parameter from among the calculated color correction parameters; and applying the color corrected image data to the corresponding image display device, as recited in claim 1.

Also, Ohara fails to teach, *inter alia*, a correction parameter calculation device for calculating, for each image display device, a color correction parameter, which corrects the color image displayed on the display screen of each image display device, based upon the displayed characteristic measured by said measurement device; and a correction device for correcting color image data, which represents a color image to be displayed on the display screen of a corresponding image display device, using a corresponding color correction parameter from among the color correction parameters calculated by said correction parameter calculation device, as recited in claim 3.

Further, Cottone fails to make up for the deficiencies of Ohara. Therefore, Ohara alone or in combination with Cottone fails to teach each and every feature of the claims as required. Accordingly, reconsideration and withdrawal of the rejections are respectfully requested.

For at least these reasons, it is respectfully submitted that claims 1-4 are distinguishable over the cited art. Favorable consideration and prompt allowance are earnestly solicited.

Conclusion

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings (Reg. No. 48,917) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

Michael R. Cammarata

Reg. No.: 39,491

MRC/ĈJB:cb
0905-0293P

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

Attachment(s)